

CENTRAL INTELLIGENCE AGENCY

REPORT

## INFORMATION REPORT

CONFIDENTIAL

COUNTRY Germany (Russian Zone)

CD NO. 50X1-HUM

DATE DISTR. 19 Apr 51

SUBJECT Current Developments at the VVB  
Elektrokraftmaschinenbau

NO. OF PAGES 3

PLACE  
ACQUIREDNO. OF ENCLS.  
(LISTED BELOW)

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DATE OF  
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Developments at the VVB EKM Elektrokraftmaschinenbau during November 1950,  
with special reference to the production of pumps and compressors are given  
below.

1. Additional production, worth 1,378,000 DM, is planned for the last quarter  
of 1950 for the Erfurter Ventilatoren und Apparatebau. The plan for November  
is sub-divided as follows:

Condensing plant	55,000 DM
Condensation filter	23,000 "
Ventilator installation	31,500 "
Contract work	205,000 "
Pneumatic equipment for Schwarza	30,000 "
Pneumatic equipment	132,000 "
Grates	15,000 "
Tilting damper (Kippdämpfer)	3,000 "
Contract galvanizing	12,000 "
Laundry machines	15,000 "
Repairs on laundry machines	3,000 "
<b>Total</b>	<b>524,500 DM</b>

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Document No. 7  
No Change in Class. ☐  
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Class. Changed To: TS S ☒  
Auth: HR 70-2  
Date: 18 JUL 1978

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2. The first nitrogen compressor was delivered by Bergmann-Borsig, Berlin, on 17 November 1950, and the second was on the test stand on 23 November 1950. The third has been held up by a rejected cylinder, and the delivery of the fourth, fifth and sixth also depends on the delivery of cylinders.
3. The slow delivery of piston rods is causing a bottleneck in the production of rotary gas pumps. The next six pumps were to be ready for delivery on 22 November 1950, from Danheim (Duisburg), and the last three on 30 November. It is difficult to obtain delivery of valves from the Badische Anilin-und-Soda-Fabrik, Ludwigshafen.
4. Three oxygen compressors are completed, the fourth was to be put on the test stand on 20 November and the fifth on 27 November.
5. Attempts are being made to get the gears cut for the Triplex pumps at Peniger Maschinenfabrik to insure delivery of the pumps by 20 November.
6. The castings for the acid pumps which are being made by the Hallesche Pumpenwerke, Halle, were to be collected on 10 December. The working of the castings is being undertaken at Halle; 3 December 1950 (sic) is the target date for completion of the pumps.
7. The USSR has placed an order for 39 large compressors, at 4,800,000 DM, to be delivered during 1951-1953. This order has been allocated to the Wrickauer Maschinenfabrik. They wish to take over a building in Gainsdorf for handling this order; the building is at present occupied by Masmut A.G. The plant could then manufacture 12 large high-pressure air and gas compressors annually, 700 mm stroke, 40 tons weight, and 25 to 30 large oxygen compressors annually. Five large machine tools would be needed, including one 150 mm diameter drilling machine, and one 2,500 mm turret lathe.
8. The Bulgarian Trade Delegation, Berlin-Miederschneehausen, Kotikow Platz 4, approached DEW for plans for the boiler house for a 50,000 kw power station to use Maritz-Westfeld coal. Bulgaria provided specimens of this coal for use in firing experiments carried out in the DEW Mitteldeutscher Feuerungsbaue, Holzhausen bei Leipzig. No contract had been signed by 30 October, and the Bulgarians have not paid for the experiments made in the period 14 April - 30 June 1950. Bulgarian officials and offices concerned were: Project for Hydroelectric Power, the Planning Organization of the Ministry for Electrification, Idanoff 5, Sofia; Dipl. Mining Engineer Kabakchieff, and Trades Counsellor Jotoff, Bulgarian Trade Delegation, Berlin.
9. The VEB (L) Altkner Fahrzeugmotorenbau is to be transferred to VEB DEW. It manufactures motors, crank shafts, grinding machinery and "Kommaschinen" (sic).
10. An office for designing Diesel motors is to be established on 1 January 1951 in the Elbe-Werke, Rosslau, and one for designing boilers in Bergmann-Borsig.
11. It is planned to convert the Halle/Saale Werke into a Grossmaschinenwerk Halle.
12. A factory for large machines is to be erected in Halberstadt.
13. The four top-priority factories (Bergmann-Borsig; Pumpenbau G8rlitz; Dampf-kesselbau Meerane; and Dampf-kesselbau Holenturm) account for more than half the production of VEB DEW in the Five-Year Plan.

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14. The planned increase in production is mainly in connection with steam boilers and their accessories, turbines and generators. EKM is to produce power machinery to a total output of 2,160 MW during the five years. Turbines of 12.5 and 25-50 MW are to be manufactured by Bergmann-Borsig and Pumpenbau G8rlitz, and the generators of the same powers by Bergmann-Borsig. Standard high-pressure boilers are also to be built.
15. The plan for 1951 includes a project to develop a ship's gas turbine.
16. Development work is also to be done on heavy-duty boilers, dust firing, oil burning, standard steam engines, large Diesel motors, turbo and piston compressors, and water turbines.
17. A Kaplan turbine (KT 14) is to be designed and developed by Herr Mueller of Schlossmuehle, Koenigswusterhausen.

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